

ABSTRACT OF THE DISCLOSURE

A mechanism simulation method of using both a dynamics simulation and a kinematic simulation is described. In the dynamics simulation, a behavior of a mechanism is simulated using a dynamics model including a continuous system equation having a plurality of variables. In the kinematic simulation, a geometrical operation of the mechanism is simulated using a three-dimensional mechanism model including a plurality of mechanism elements. A value of one of the variables of the continuous system equation is calculated by a first simulator that executes the dynamics simulation. Referring to a table that represents a correspondence between the variables and the mechanism elements, a mechanism element corresponding to a variable having the calculated value is identified. Information specifying the identified mechanism element and the calculated value of the variable is transmit to a second simulator, which executes the kinematic simulation based on the information.